



FOREST PEST MANAGEMENT

Southern Region - Region 8

Report No. 84-3-5

Date: May 15, 1984

AERIAL DETECTION SURVEY OF FOREST INSECT AND DISEASE ACTIVITY, COLONIAL NATIONAL HISTORICAL PARK, VIRGINIA

Land Ownership or Survey Area: Colonial National Historical Park

State: Virginia

Area Within Survey Boundary: 9,500 acres

Date: May 9, 1984

Percent Coverage: 100 percent

Aircraft: Cessna 182

Crew: Pete Baril, William A. Carothers

Report Prepared By: William A. Carothers

SURVEY OBJECTIVES

To detect the presence of southern pine beetle infestations impacting the aesthetic value and natural resources of Colonial National Historical Park.

SURVEY RESULTS

Thirteen areas of red or fading pines were observed. Several of these were adjacent to areas where southern pine beetle infested trees had been salvaged during the fall of 1983. Ground checks of twelve of these areas indicated that eight of these areas were inactive. In the remaining four areas that were checked a total of 15 active trees were found.

CONCLUSIONS

Southern pine beetle populations are declining on the Colonial National Historical Park. Rapid salvage of infested trees, buildups in parasite and predator populations, and environmental factors have played a role in this decline.